



PH1000
Turbidity Sensor



Description

The Greenspan pH1000 sensor provides a reliable and cost effective solution for monitoring of pH in a wide variety of environmental and water monitoring applications. The sensor utilises a robust gel filled pH electrode together with optical isolation and advanced signal conditioning to ensure long term accurate data.

The new sensor also features a field replaceable electrode and ring filter pad to further improve long term performance and reduce field visits. The filter pad protects the electrode from contamination and can be easily replaced during service visits.

The sensor requires low power supply and provides a calibrated 4-20mA output. The sensor is fitted with a moulded polyurethane cable as standard. Other cable options may be available.

The sensor is ideal for use in all environmental water monitoring applications, including tidal and estuary monitoring. A durable acetal body with double O ring design ensures suitability for harsh environment applications.

The pH1000 sensor is easy to install and provides a reliable solution to long term monitoring. For more information please contact your nearest sales office.

Features

- Field replaceable gel filled pH electrode
- Innovative replaceable ring filter pad
- Optically isolated signal conditioning electronics
- Low power energy saving enables long-term remote operation.

Benefits

- Rugged electrode design provides unparalleled remote operations
- Operation on remote power source for long periods
- High reliability means critical measurements are not lost through sensor down time
- Minimal field servicing and reduced field visits
- Electrode field replacement to maintain continuous accurate readings.

Applications

- Monitoring of streams and rivers, lakes and urban waterways
- Catchment studies and forestry management
- Water supply storages including stratification studies
- Water and wastewater treatment monitoring
- Groundwater analysis and monitoring
- Industrial process, Acid Sulphate studies
- Tidal, estuary and oceanographic monitoring.

Dimensions



PH1000 Specification

Measurement technique	Gel-filled glass electrode with internal Ag/AgCl reference Field Replaceable electrode
Sensor range (factory calibrated)	2-12 pH (4mA = 2pH, 20mA = 12pH)
Sensor output	Analogue 4-20mA
Accuracy	+/-0.2pH (+/- 0.2mA)
Cable type	Polyurethane sheathed cable, OD 8mm, with 3mm vent tube, moulded entry, bare wire connection
Cable lengths	10, 20, 30, 50, 100, 150 m (32, 65, 100, 165, 325, 490 ft)
Power supply	10-14 VDC (at sensor)
Reverse polarity protection	Yes
Surge current protected	To 2kV
Warm up time to stable reading	2 sec
Current consumption	10mA to 30mA while turned on
Operating temperature	0-50°C
Storage temperature	-5°C - +60°C
Depth rating (water column)	100m
Weight	500g plus cable weight (665g per 10m length)
Dimensions (L x OD)	384.20mm x 47mm (15.13" x 1.85")
Wetted materials	UPVC, acetal, 316 passivated stainless steel, polyurethane, viton



Optional Extras and Accessories

Please consult your Greenspan sales representative to confirm any optional extras or accessories.

How to Order

The following information will be required:

- Moulded cable length (m)
- Any other accessories*

* Consult your Greenspan sales representative for further details.



Australia

Head Office
Goyen Controls Co Pty Ltd
268 Milperra Road
Milperra, NSW 2214

Telephone: 1800 805 372
Facsimile: 1300 658 799

Sales and Service
Queensland, South Australia
Victoria, Western Australia

Telephone: 1800 805 372
Facsimile: 1300 658 799

USA

Goyen Valve Corporation
1195 Airport Road
Lakewood
New Jersey 08701, USA

Telephone: 1 732 364 7800
Facsimile: 1 732 364 1356

Asia

Goyen Controls Co Pty Ltd
Shanghai Representative Office
1209 Greenland Business Centre
1258 Yu Yuan Road
Shanghai PC200050, CHINA

Telephone: 86 21 5239 8810
Facsimile: 86 21 5239 8812

Goyen Controls Co Pty Ltd
73-M Jalan Mega Mendung
Kompleks Bandar OUG
58200 Kuala Lumpur, MALAYSIA

Telephone: 60 37 987 6839
Facsimile: 60 37 987 7839

Greenspan Singapore Pte Ltd
02-01, Minwa Industrial Building
39 Genting Lane
Singapore 349554

Telephone: 65 6748 0140
Facsimile: 65 6748 2534

Europe

Goyen Controls Co UK Ltd
Unit 3B Beechwood
Chineham Business Park
Basingstoke, Hampshire, RG24 8WA
UNITED KINGDOM

Telephone: 44 1256 817 800
Facsimile: 44 1256 843 164

Tyco Umwelttechnik GmbH
Im Petersfeld 6
D-65624 Altendiez
GERMANY

Telephone: 49 6432 1001/1002
Facsimile: 49 6432 63810

Mecair S.r.l.
Via per Cinisello 97
20054 Nova Milanese
Milano,
ITALY

Telephone: 39 362 375 118
Facsimile: 39 362 375 124